



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
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CHICAGO, IL 60604-3590

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JAN 31 2002

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

RE: Restored Areas Consolidated
Monitoring Report Year 2001

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) draft 2001 consolidated monitoring report for restored areas at the site.

The report addresses implementation-phase monitoring for the Area 1, Phase 1 wetland mitigation project and Area 8, Phase 2 forest demonstration project.

Overall, U.S. EPA found the document technically adequate for promoting successful revegetation and evaluation at the proposed sites. However, U.S. EPA has attached revisions that should be incorporated into the final consolidated monitoring report.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Kim Chaney, U.S. DOE-HDQ
John Bradburne, Fluor Fernald
Terry Hagen, Fluor Fernald
Tim Poff, Fluor Fernald

Commenting Organization: U.S. EPA Commentor: Saric
 Section #: 2.1.3 Page #: 2-8 Lines #: 21 through 25
 Original Specific Comment #: 4

Comment: The text indicates that the radium hot-spot area was seeded and inoculated with donor soil and clumps of bur reed but that large portions remain sparsely vegetated. The text also indicates that a planting strategy has been developed to expand the vegetation coverage and that this area will be developed as a plant source for future restoration projects. The text fails to explain the cause of the sparse vegetation (such as poor soil, poor seedstock or plant material, or absence of necessary hydrological conditions). The replanting strategy should address expected causes of vegetative mortality and incorporate schemes to counter these causes. The text should be revised to provide additional detail regarding this issue.

Commenting Organization: U.S. EPA Commentor: Saric
 Section #: 2.2.1.2 Page #: 2-11 Lines #: 15 and 16
 Original Specific Comment #: 5

Comment: The text indicates that the cover estimates were calculated based on the results of the functional-phase monitoring discussed in Appendix E. The text fails to discuss transect placement or location, and transects are not shown in any figures. The text should be revised to discuss transect location and placement rationale. In addition, a figure should be included that depicts the transects.

Commenting Organization: U.S. EPA Commentor: Saric
 Section #: 2.2.2.2 Page #: 2-12 Line #: 21
 Original Specific Comment #: 6

Comment: The text reads, "Cover class 5 represents a percent cover of 75 of 100 percent." The text should be revised to read "75 to 100 percent."

Commenting Organization: U.S. EPA Commentor: Saric
 Section #: 2.2.3 Page #: 2-14 Lines #: 14 and 16
 Original Specific Comment #: 7

Comment: The text indicates that the planting of shrubs will aid in keeping the density of tree species low in the savanna area. The text refers to the replant table, which lists, among other shrubs, smooth sumac (*Rhus glabra*) and black raspberry (*Rubus occidentalis*). Both species can form large, uniform colonies. The text should briefly describe if any measures will be taken to limit various species from becoming overly aggressive.

Commenting Organization: U.S. EPA Commentor: Saric
 Figure #: 2-2 Page #: NA Line #: NA
 Original Specific Comment #: 8

Comment: This figure shows the wetland mitigation project replant strategy. However, it is unclear if the area shown in the figure is the radium hot-spot area mentioned on

